BS Physics (9-12 Math/Physics Teaching Track)

Course Common to All Physics Programs

PHYS331	Mechanics I	3
PHYS332	Electromagnetic Field Theory	3
PHYS334	Modern Physics I	3
PHYS334	Quantum Physics I	3
MATH 209	Calculus II	4
MATH 333	Calculus III	4
MATH 306	Differential Equations	3
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Common Course Hours =		23

K-12 Math/Physics Teaching Track

MATH311	Probability and Statistics	3
MATH302	Principles of Geometry	3
ENGL309	Technical Writing	3
EDU330	Professional Development I	3
EDU335	Professional Development II	3
EDU430	Professional Development III	3
EDU435	Professional Development IV	3
EDU490	Practicum in Teaching	6
PSY220	Child Psychology	3
RDG351	Content Area Reading	3
PHYS404	Physics Teaching	3
PHYS430	Math Methods for Physicists	3
PHYS333	Thermodynamics	3
	PHYS Electives (6 hrs Advanced)	9
	Computer Science Elective	3
	Elective	3
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Track Courses=		57

TSU Core (Common to all Physics Programs)

MATH 120	Calculus I	4
PHYS122	Principles of Physics I	4
PHYS242	Principles of Physics II	4
ENGL111	Intro. To College Comp.	3
ENGL112	College Comp. and Research	3
HIST201	US History through 1877	3
HIST202	US History Since Reconstruction	3
POLS202	American National Government	3
POLS202	Texas Government	3
*	Wellness or PE Core Class	2
*	English Literature	3
*	Communications Core Class	3
*	Fine Arts Core Class	3
*	Social/Behavioral Core	3
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Total Core =		44

*- Selected From List of Courses on pg. 47 of TSU Catalog